

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 02/28/2019 10:37 AM
Cytometer Baseline: 01/02/2019 10:47 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 72756 **Expiration Date:** 10/31/2019
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124088	-1	2.37	124188	2.27
Blue	F	SSC	125000	122643	-2	4.06	123514	3.88
Blue	E	FITC	16694	16512	-2	4.02	384	22.41
Blue	D	PE	32792	32263	-2	3.30	714	16.68
Blue	B	PerCP-Cy5-5	44451	44002	-2	4.80	1207	24.13
Blue	A	PE-Cy7	33645	34084	1	7.26	608	49.66
Red	C	APC	47008	46422	-2	3.09	1794	13.56
Red	A	APC-Cy7	32298	32071	-1	3.02	806	14.09
Violet	B	V450	8961	8676	-4	4.76	518	17.22
Violet	A	V500	32726	31767	-3	4.49	774	12.32

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20237	4.42	610	-3	N/A	N/A	Pass
Blue	F	SSC	55348	3.39	580	12	N/A	N/A	Pass
Blue	E	FITC	64	79.30	568	5	0.0160	284	Pass
Blue	D	PE	141	59.30	572	6	0.1285	308	Pass
Blue	B	PerCP-Cy5-5	218	60.51	677	6	0.0067	82	Pass
Blue	A	PE-Cy7	119	127.87	734	8	0.0086	37	Pass
Red	C	APC	410	28.51	613	0	0.0184	89	Pass
Red	A	APC-Cy7	198	30.93	586	1	0.0045	682	Pass
Violet	B	V450	87	67.23	487	1	0.0210	1414	Pass
Violet	A	V500	113	48.08	497	1	0.0183	2341	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.43	-32.13	1.02
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	16.46	13.60 - 20.40	N/A	N/A	29.29	29.72	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 13125

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments